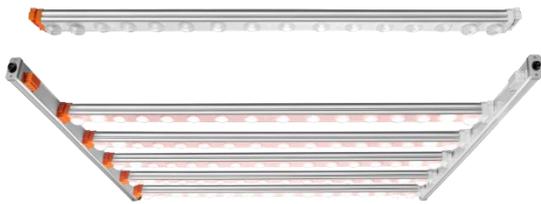
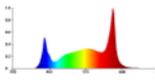
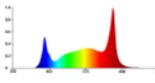
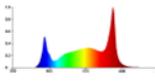
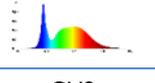
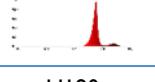
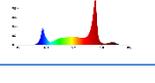


Description: RX-G50 Detachable quick connect plug is used to install a high uniform light plant grow light, Koray secondary optical technology to improve PPF, which is more energy-saving, even lighting, without a central hot spot, quick plug design, Removable Save freight, easy to maintain and expand, no bulky external power supply, optional full spectrum and adj spectrum, full spectrum low green light, fast growing crops, improving plant yield and quality, Adjustable spectra are suitable for scientific research and experimental planting. welcome to compare and test with any competitor.



1. Unique quick plug installation design, disassembling and packaging to save transportation costs, no bulky external power supply, saving installation space!
2. 360W win 400W, and 510W is equivalent to 650W, compared to internationally renowned brands, regardless of plant tent or shelf cultivation, the same average PPF, lower power consumption, and more energy-saving.
3. Koray secondary optical system, with uniform lighting, no central hot spot, no burning of plants at close range, saving space for multi-layer cultivation, and improving planting density.
4. Full spectrum G19 G24, low green spectrum, higher photosynthetic efficiency, U190 adjustable spectrum suitable for experimental cultivation
5. Multiple sizes and power options available
6. CE RoHS FCC

Model	Dimension LxWxH	Spectral Wavelength	Avg PPF μmol/m ² /s	PPF	Power Input AC	Comment
RX-G50-360W	860x860x58mm 33.9"*33.9"*2.3"		930μmol @0.3m	1000umol/s	360W/120V 3A 360W/230V 1.6A	3x3ft grow tents Optional G19R 390W Win 450W Board
			730μmol @0.56m			
RX-G50-255W	1080x420x58mm 42.5"*16.5"*2.3"		1000μmol @0.3m	710umol/s	255W/230V 1.1A	2x4ft grow tents
			800μmol @0.56m			
RX-G50-510W	1080x1020x58mm 42.5"*40.2"*2.3"		1050μmol @0.3m	1420umol/s	510W/230V 2.2A	4x4ft grow tents
			850μmol @0.56m			
RX-G50-660W	1206x1106x58mm 47.5"*43.5"*2.3"		650μmol @0.2m	900umol/s	348W/120V 2.9A 348W/230V 1.5A	Dual channel tunable spectrum Research and experimental planting
			600μmol @0.3m			
			750μmol @0.2m	860umol/s	312W/120V 2.6A 312W/230V 1.4A	
			700μmol @0.3m			
			1400μmol @0.2m	1760umol/s	660W/120V 5.5A 600W/230V 2.9A	
			1300μmol @0.3m			

Working temperature: - 20°C ~ 35°C, Lifespan: 50,000 hours (Note: Ta 25 °C)

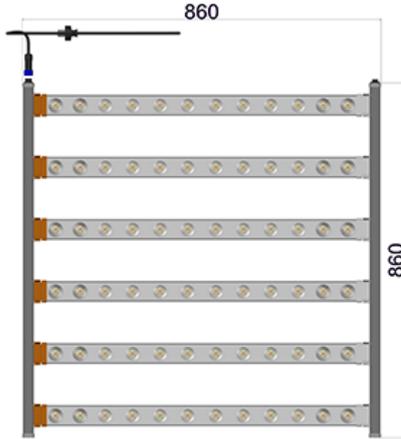
Tolerance range for optical and electrical data: ±10 %.

PPFD value is grow tent, Please refer to the PPF map for power saving comparison.

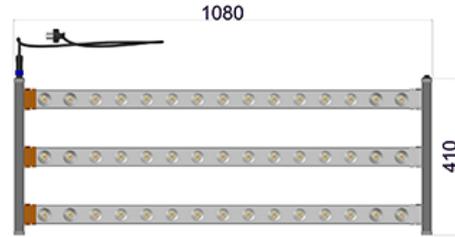
The calculation method for energy conservation and electricity conservation is based on working 12 hours a day and 365 days a year.

Leapfrogged

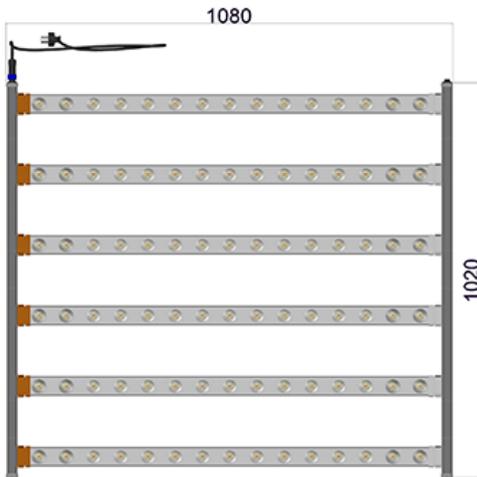
Compared to other brands, energy-saving: **18-35%**
ON 12 hours/day, Saves 394-657kWh/year



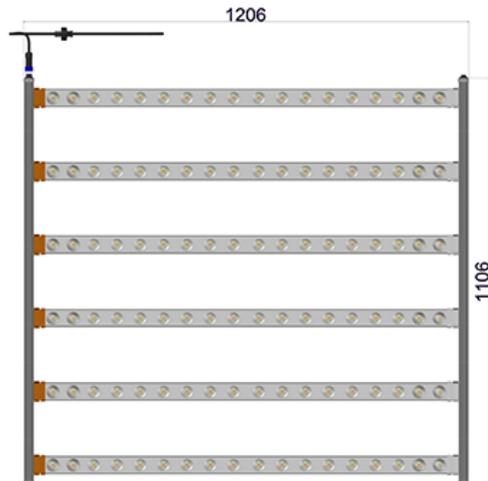
G50-360W win 400W



G50-255W or 180W



G50-510W Better than 650W



G50-660W Better than 800W

Welcome to compare and test with any competitor

PPFD Map Compared to other brands

G50-510W G19 PPFD MAP

Test in No reflection darkroom



Avg PPFD 865 & 803 $\mu\text{mol}/\text{m}^2/\text{s}$

Height: 12in Red data G50 G19 510W & 650W White data Gavi** 1900e

275.7 311	272.3 668	445.8 807	589.5 853	673.6 873	606.0 855	473.8 808	301.4 670	323.2 312
279.5 546	419.8 995	722.5 1127	1128.5 1164	1324.3 1201	1150.3 1166	758.7 1129	453.3 997	312.8 547
279.5 576	698.8 964	751.8 994	1048.9 1015	1168.4 1057	1067.8 1017	788.7 996	752.0 966	476.8 577
551.7 577	887.6 952	1021.8 964	1177.7 980	1280.7 1011	1199.7 982	1071.6 966	1138.5 953	611.4 578
625.8 584	1041.7 933	1238.5 967	1702.8 974	1304.7 1003	1725.8 971	1277.0 964	1319.3 930	634.0 582
583.7 573	905.7 946	1042.7 958	1198.1 974	1300.1 1005	1223.3 977	1105.8 961	1176.7 949	626.6 575
563.7 573	720.8 958	775.6 988	1702.5 1009	1198.5 1050	1104.1 1012	815.3 991	784.0 961	495.3 574
290.2 543	438.3 989	748.8 1120	1162.2 1157	1369.3 1193	1198.7 1160	792.8 1123	472.3 992	327.7 544
294.0 309	290.5 664	468.4 802	619.0 848	706.3 867	639.5 851	500.7 804	322.2 666	343.7 310

4 Feet Y-axis

4 Feet X-axis

Avg PPFD 613 & 474 $\mu\text{mol}/\text{m}^2/\text{s}$

Height: 24in Red data G50 G19 510W & 650W White data Gavi** 1900e

187.9 331	259.7 455	340.9 542	413.7 589	438.2 598	416.6 591	347.0 544	268.6 457	197.2 332
256.1 420	292.3 572	403.5 675	509.0 724	558.2 726	510.9 726	410.9 677	302.3 574	268.7 421
256.1 473	398.6 634	478.4 734	630.0 780	700.4 777	632.3 782	487.4 736	412.1 636	348.3 474
400.8 488	546.2 642	622.9 736	718.2 762	805.5 755	724.8 764	634.4 738	513.8 644	418.6 490
426.6 487	546.2 627	691.8 715	805.2 727	864.4 719	809.0 724	701.1 711	588.2 624	440.6 485
407.3 483	504.8 635	629.1 729	724.8 755	813.9 748	730.6 758	645.5 732	523.6 638	426.4 486
407.3 468	406.5 628	486.7 727	638.6 772	711.0 769	645.0 776	497.0 731	422.4 631	359.4 470
263.1 416	299.4 566	411.6 669	516.8 716	568.7 718	524.8 720	422.2 672	310.4 569	277.7 418
193.9 328	267.4 451	348.6 537	423.0 584	449.4 592	429.3 587	358.8 540	277.9 453	203.8 329

4 Feet Y-axis

4 Feet X-axis

Avg PPFD 447 & 321 $\mu\text{mol}/\text{m}^2/\text{s}$

Height: 36in Red data G50 G19 510W & 650W White data Gavi** 1900e

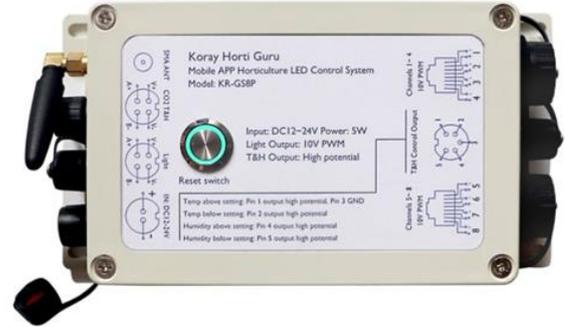
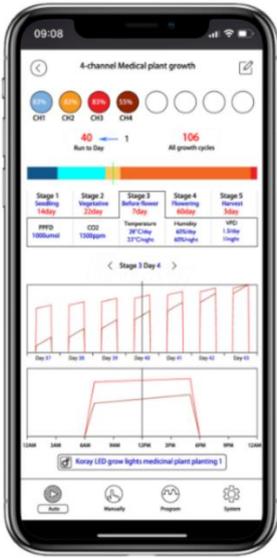
152.3 278	192.2 340	228.9 387	256.9 418	268.9 429	275.4 419	230.7 388	195.5 341	156.8 279
190.7 326	243.0 402	296.2 454	339.7 492	355.7 503	340.2 493	298.8 456	247.5 403	195.9 327
190.7 361	294.0 439	366.3 499	424.9 539	445.4 549	425.5 541	371.0 501	299.7 440	231.9 362
251.0 383	335.0 469	421.6 530	491.2 575	520.0 590	494.4 576	427.1 531	341.7 470	258.0 384
263.4 391	351.4 477	455.1 544	519.7 586	548.8 605	520.7 588	448.2 546	356.1 479	268.6 393
253.8 379	337.7 464	424.5 525	484.4 569	522.1 585	497.3 572	431.0 527	345.4 466	261.5 381
253.8 357	297.9 435	371.3 494	428.6 534	453.2 544	430.5 537	376.2 497	304.8 437	236.9 359
194.3 322	247.2 398	300.8 450	344.1 487	361.1 499	346.5 489	304.8 452	252.4 400	200.6 324
156.1 275	195.9 337	232.4 383	260.5 414	273.1 426	262.9 416	236.8 385	200.5 338	160.9 276

4 Feet Y-axis

4 Feet X-axis

Red data G50-510W G19 VS white data Gvi** 1900e

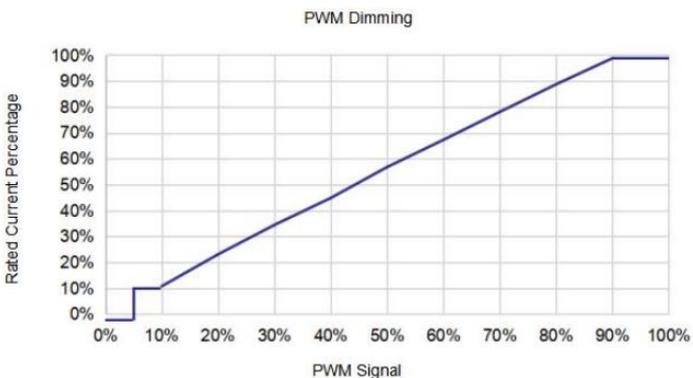
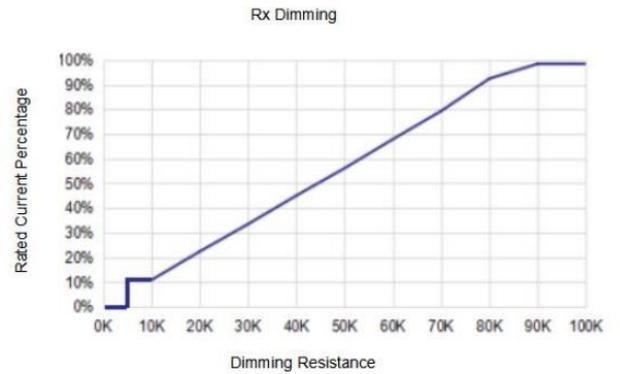
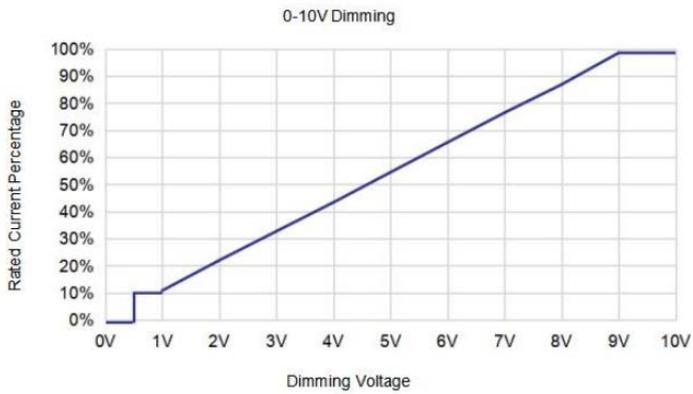
Compatible with Horti Guru APP control system



Horti Guru APP control system requires additional purchase
For more information, please contact Koray

The above data is a manual test of the physical samples of the factory, there may be measurement errors, for reference only!
For detailed data, please contact us!

Dimming Operation Instructions



-The minimum dimming depth of 0.5-10V is 10%. - The dimming depth of PWM dimming is 10%. - The requirement of PWM compatible signal: 400-3000Hz; amplitude: 10(V) - The dimming depth of Rx dimming is 10%. - DIM+/- is vacant: 100% rated current